

Claims

- 1/ A stable aqueous foaming surfactant dispersion which comprises:
from 5 to 50 weight % of a surfactant composition comprising at least one foaming surfactant,
at least one fatty amphiphile and optionally at least one hydrocolloid; and
from 50 to 95 weight % of water.
- 2/ A stable aqueous foaming dispersion of a surfactant comprising at least one foaming surfactant,
particularly including at least one anionic surfactant, at least one fatty amphiphile and optionally
at least one hydrocolloid, the dispersion also including emulsified therein at least one emollient.
- 3/ A dispersion as claimed in ~~either claim 1 or claim 2~~ in which the surfactant is ^{one} or more of alkyl
sulphates, alkyl sulphonates, alkyl ether sulphates, alkyl glycerol ether sulphonates, alkyl
phosphate esters, ethoxylated alkyl phosphate esters, sarcosinates, taurate derivatives, alkyl
sulphoacetates, hydroxyalkyl sulphonate esters, alkyl sulphosuccinates, alkyl
sulphosuccinamates, and acyl glutamates.
- 4/ A dispersion as claimed in ~~any one of claims 1 to 3~~ ^{Claim 1} which includes a mild surfactant.
- 5/ A dispersion as claimed in ~~claim 4~~ in which the mild surfactant is alkyl sulphonate and/or a fatty
isethionate
- 6/ A stable aqueous foaming surfactant dispersion which comprises:
from 5 to 50 weight % of a surfactant composition comprising at least one fatty isethionate
foaming surfactant, optionally at least one sulphosuccinate salt, at least one fatty amphiphile
and optionally at least one hydrocolloid; and
from 50 to 95 weight % of water;
- 7/ A stable aqueous foaming dispersion of a surfactant comprising at least one fatty isethionate
foaming surfactant, optionally at least one sulphosuccinate salt, at least one fatty amphiphile
and optionally at least one hydrocolloid, the dispersion also including emulsified therein at least
one emollient oil.
- 8/ A dispersion as claimed in ~~any one of claims 4 to 7~~ ^{Claim 6} which includes at least one sulphosuccinate
salt and at least one hydrocolloid.
- 9/ A dispersion as claimed in ~~any one of claims 4 to 8~~ ^{Claim 4} in which the mild surfactant comprises at
least 50% by weight of the surfactant in the dispersion.

Claim 1 - 22 -

a 10 A dispersion as claimed in ~~any one of claims 1 to 9~~ in which the fatty amphiphile is one or more of fatty alcohols, fatty acids, glyceride fatty esters, and esters of fatty acids with polyhydric alcohols.

Claim 1

a 11 A dispersion as claimed in ~~any one of claims 1 to 10~~ which includes a hydrocolloid which is one of more starch, modified starches or dextrins, guar, modified guar, modified celluloses, xanthan gums, hydrophilic carbomer polymers polyacrylamides, polyvinyl alcohol, polyvinylpyrrolidone, polyacrylates, very high molecular weight polyethylene glycol, water dispersible bentonite clays and aluminium silicates

Claim 1

a 12 A dispersion as claimed in ~~any one of claims 1 to 11~~ which includes an emollient which is at least on normally liquid emollient oils selected from mineral or paraffin oils vegetable glyceride oils, animal glyceride oils, synthetic ester oils, silicone oils and/or emollients which are solid at ambient temperature selected from jojoba wax, tallow and coconut wax and/or oil.

Claim 12

a 13 A dispersion as claimed in ~~any one of claims 1 to 11~~ in which the weight percentages of the ingredients (based on the total of these ingredients) fall within the following ranges: surfactant 10 to 60; fatty amphiphile 5 to 30; hydrophilic colloid 0 to 35; emollient oil 0 to 30.

14 A dispersion as claimed in ~~claim 13~~ in which the weight percentages of the ingredients fall within the following ranges: surfactant 30 to 55; fatty amphiphile 10 to 25; hydrophilic colloid 15 to 30; emollient oil 10 to 25.

Claim 1

a 15 A dispersion as claimed in ~~any one of claims 1 to 14~~ in which the proportion of water is in the range 50 to 95% based on the combined weights of water, surfactant, fatty amphiphile and hydrocolloid (when present).

16 A dispersion as claimed in claim 13 in which the proportion of water is in the range 60 to 80% by weight.

Claim 1

a 17 A dispersion as claimed in ~~any one of claims 1 to 16~~ which additionally includes one or more additives selected from lubricants and/or humectants; disperse phase structurants; fillers; pigments; dyes; optical brighteners; perfumes; fragrances; essential oils; water and/or oil soluble vitamins or derivatives or precursors; antioxidants and/or preservatives; pearlescing agents; peeling and/or scrub agents; plant extracts; hydroxy- and/or polyunsaturated acids; phospholipids; proteins and/or amino acids and/or derivatives; electrolytes; natural moisturising factor; foam boosters and/or stabilisers; and sucrose ester derivatives.

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- 18/ A method of making a stable aqueous foaming surfactant dispersion, which comprises dispersing in water, a preformed substantially uniform solid surfactant composition comprising at least one foaming surfactant, at least one fatty amphiphile and optionally at least one hydrocolloid; in weight proportions to give a composition containing from 5 to 50 weight % of the surfactant composition and from 50 to 95 weight % of water.
- 19/ A method of making a stable aqueous foaming surfactant dispersion, which comprises forming an aqueous dispersion of a surfactant composition comprising at least one foaming surfactant, at least one fatty amphiphile and optionally at least one hydrocolloid; and subsequently dispersing therein at least one emollient.
- a 20 A method as claimed in ~~either claim 18 or claim 19~~ in which the pre-formed solid surfactant blend comprises surfactant, fatty amphiphile and hydrocolloid,
- 21 A method as claimed in claim 20 which comprises mixing from 5 to 50 parts by weight of a pre-formed solid surfactant blend, containing surfactant, fatty amphiphile and hydrocolloid, with the emollient, and optionally other components, adding from 50 to 95 parts by weight of water at a temperature of from 60 to 90°C homogenising the mixture to disperse the surfactant blend and emulsify the emollient.
- 22 A method as claimed in claim 20 which comprises dispersing from 5 to 50 parts by weight of a pre-formed solid surfactant blend, containing surfactant, fatty amphiphile and hydrocolloid, in from 50 to 95 parts by weight of water at a temperature of from 60 to 90°C, particularly 70 to 90°C, homogenising the mixture to disperse the surfactant blend and subsequently adding an emollient to the dispersion.
- 23 A method as claimed in claim 20 which comprises adding from 50 to 95 parts by weight of water at a temperature of from 60 to 90°C, particularly 70 to 90°C to from 5 to 50 parts by weight of a pre-formed solid surfactant blend, containing surfactant, fatty amphiphile and hydrocolloid, homogenising the mixture to disperse the surfactant blend and subsequently adding an emollient to the dispersion.

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